

Scope

IEEE Transactions on Network and Service Management (IEEE TNSM) is a journal for timely publication of archival research on the management of networks, systems, services and applications, as well as on issues in communications software, service engineering, policies and business processes for network and service management. First issue 2007. Subscribers receive online access and an annual archive CD. Print edition is not available.

The topics covered include:

- **Management Models**, Architectures and Frameworks , including agents and proxies, interoperability and cooperative control, distributed management, integrated management, proactive and reactive Management, self-management and autonomic networks.
- **Service Provisioning**, Reliability and Quality Assurance , including network planning and service deployment, service-level agreements, quality-of-service management, service pricing, network survivability and resilience, operations support systems and customer care.
- **Management Functions**, including network and systems monitoring and measurements, configuration management, security, management of faults and performance management, accounting management and billing.
- **Enabling Technologies for Management**, including distributed platforms, mobile, intelligent and programmable agents, data warehousing, mining and statistical methods, user interfaces and virtual reality.
- **Information and Communication Models** , including management information and data models, ontologies for management data, management protocols, standards such as SNMP, CIM, Web Services, etc.
- **Management Policies** , including business processes for network and service management, policy-based management, features interaction and conflict resolution, role-based management.
- **Management applications and case studies** , including management aspects in VPNs, Voice over IP and multimedia services, optical, CATV, power line networks, wireless, mobile, ad-Hoc and sensor networks, e-transaction-oriented services and electronic commerce, peer-to-peer network technologies and grids.